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MEDICAL UNIVERSITY
OF
SOUTH CAROLINA

Annual Report
1975-1976



MEDICAL UNIVERSITY
OF
SOUTH CAROLINA

Annual Report
1975-1976

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Medical University of South Carolina

80 BARRE STREET / CHARLESTON, SOUTH CAROLINA 29401

Gentlemen:

In acceding to the presidency this year, I felt heir to monetary restrictions in the economy. They were inevitable and we reacted accordingly. But despite these conditions, South Carolinians, in government and in the private sector, gave as unstintingly as possible in support of health education. And though it was a time when new buildings and developments had to be postponed, authority was given to purchase sufficient property to alleviate in the near future the space squeeze we have experienced these many years. We are most appreciative of your helpful cooperation. By your actions you have mandated exemplary performance in health education, research and service and we will vigorously carry out these wishes.

If I might, I would like to share the immediate impressions of one who has returned to South Carolina and his Alma Mater after an absence of twenty years. I would first point out that I was deeply honored to have been asked to carry on the tradition of distinguished leadership personified in Dr. William M. McCord and his predecessors. These innovative leaders fashioned a university health center whose concept is now being universally adopted. They created a system of state-wide health education which has increased the accessibility of new health services throughout the state. They encouraged research and the introduction of new techniques and equipment to South Carolina. I will attempt to be equally innovative.

The Medical University was privileged to confer honorary degrees of Doctor of Humane Letters upon Dr. David Matthews, Secretary of Health, Education and Welfare; Dr. Randolph Lee Clark, President of the University of Texas System Cancer Center, Houston; Dr. Rozella M. Schlottfeldt, Dean Emeritus of the Bolton School of Nursing at Case Western Reserve University; and Henry Savage, Jr., Camden, S.C., attorney and author.

It is with sadness I report the death of Dr. John E. Buhler, founding Dean of the College of Dental Medicine, on April 18, 1976. The personal interest Dr. Buhler expended on every dental student has been rewarded by the practice of excellence in dentistry in South Carolina.

Respectfully submitted,


William H. Knisel, Ph.D.
President

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COLLEGE OF MEDICINE

The year 1975-76 can be described as one of accommodation to economic events. Across the board budget cuts required a reordering of college priorities and the reallocation of resources. Rapid growth was replaced by consolidation.

The physical growth of the College of Medicine took a quantum leap with the opening of the Clinical Sciences Building and the Albert Florens Storm Memorial Eye Institute. At the same time construction was begun on the two-story addition to the Clinical Sciences Building. Generally, the first two floors of the Clinical Sciences Building are designed to accommodate a mix of ambulatory care services not including an emergency service unit. The third floor is shared by the Department of Medicine and Clinical Pharmacology (a division of the Department of Medicine). The fourth floor is occupied by the Departments of Pediatrics, Urology and Surgery. The fifth floor is occupied by Psychiatry, Neurology and Obstetrics-Gynecology. Unpredicted growth suggested the reallocation of additional space to the Department of Neurology (from the Department of Medicine).

Briefly, the plan for the Clinical Sciences Building addition envisions the complete displacement of the Department of Medicine from the third floor to the seventh and eighth floors; Surgery will expand into vacated space and thereby gain 16,000 square feet. Neurology will gain 2,000 square feet through relocation and consolidation to space vacated by Medicine on the third floor. Space vacated by Neurology on the fifth floor, with some small adjustment, will be rededicated to the Department of Anesthesiology, and thereby fulfill the expansion need in this specialty.

Reorganization within the Dean's Office resulted in the elimination of three assistant dean positions. A continuing study of committee structure and function resulted in the elimination of the traditional Dean's Advisory Committee (which largely duplicated the work of the Departmental Chairmen's Committee) with a reallocation of responsibilities between a new Administrative Advisory Committee and a Committee on Faculty Appointments and Promotions. The Department Chairmen's Committee changed from a monthly one-to-two hour meeting to a quarterly one-day meeting. This change has been well received as a new opportunity to allow adequate debate on matters of importance to the College.

Another organizational change worthy of note was the appointment of a Director of Ambulatory Care. The appointment is intended to support the concept of ambulatory care as an alternative to hospitalization as a modality for teaching and patient care.

The Dean and Department Chairmen together searched for new ways

to allocate available funds in a manner which would provide the various departments with the greatest possible freedom in accommodating to their new levels of reduced spending (levels of the present and the predictable future). The budgeted (and subsequently cut) State Appropriation was \$12 million, and it is the accommodation to this one million dollar cut which produced financial hardship. The method of choice to reduce spending (as opposed to a reduction in force) was to eliminate travel funds and funds for new equipment, and to reduce spending for supplies and maintenance and repair contracts. Admittedly, a flaw attends this methodology because the costs are actually deferred spending. However, the faculty remains optimistic that other accommodations can be effected and that the economic reversals will be short-lived.

The College of Medicine faculty continued its replacement and growth process with a total net gain of 46 full-time faculty; part-time faculty experienced a net increase of 88. Faculty appointments have varied in number as the various departments have succeeded in filling vacancies according to their ordered plans.

The curriculum of the College of Medicine continued to be the subject of faculty study and revision. In last year's report it was identified that the curriculum was in transition and was shifting from a period characterized by a wide range of electives with student freedom of choice in the arrangement of these electives over a four-year period of study. The shifting may be described as a return to the Flexnerian model of two basic science years followed by two years of study in the clinical sciences. Major curriculum changes, under the guidance of the Curriculum Committee, involved the reallocation of elective time to the various departments. Interdisciplinary teaching efforts, deemed of value, were retained and strengthened. Subsequent to a period of faculty study, nutrition as a discrete program was installed as an interdisciplinary effort.

A substantial growth of interest in medicine among women and minority groups has occurred over the period 1969-76. The number of female applicants increased from 11 to 86 and the number of females accepted from 5 to 30. There were two black admissions in 1969, and 17 in 1976.

In the clinical area, the Departments of Radiology and Clinical Laboratory Medicine were given a high priority in the College's development scheme for 1975. Chairmanships were filled and developmental programs drawn.

The research component of the College of Medicine continued to grow in 1976 consistent with the concept that excellence in medical education is enhanced by a high spirit of inquiry. A gauge of research productivity was the publication of 664 papers in critically edited journals, 131 more than in the previous year. The faculty continues to

distinguish itself by active participation in scientific assemblies of national and international stature.

The College of Medicine continued to recognize its corporate responsibility to the State through its various community service efforts. Most notable was the maturing process of the Consortium-Area Health Education Centers and the Statewide Family Practice Residency System.

Admissions to the College of Medicine remained at 165 per year under instructions from the Liaison Committee on Medical Education. Now that the growth of the student body has stabilized and accommodation to the sheer numbers of students is beginning to level off, attention is turning to the retention of graduates. Strategy for retention includes a variety of approaches of which the most important is, undoubtedly, the development and maintenance of clinical training sites. It has been repeatedly demonstrated that health professionals tend to practice in the State in which they receive their clinical training. More specifically, the College of Medicine has developed two statewide systems which provide "community medicine" experience for both undergraduate and graduate medical students, i.e. the Area Health Education Centers and the Family Practice System. The Medical University is also deeply involved in other primary care and specialty graduate (residency) training programs throughout the State.

Another method to retain program graduates is the development of financial aid to education which links the student to service subsequent to the completion of his training. There are a variety of service-for-aid offerings, but the two most notable are the "Student to the People" program and the cooperative MUSC-AHEC administered program which links financial aid to service in one of the medically underserved counties of South Carolina.

The faculty of the College of Medicine is oriented to the goal of producing physicians for South Carolina. Student counselling is, therefore, an important factor in the retention of program graduates. It is notable, too, that whereas approximately 34% of the current student body has received their undergraduate education out of state, there are only four freshmen who are out of state residents. Thus, the admission process insures medical education for South Carolinians in the hope that they will choose to serve their state.

Finally, some mention must be made of the active minorities program which seeks to encourage and support black South Carolinians in the study of medicine. Such encouragement begins in the undergraduate institutions of the State and includes summer postadmission studies designed to academically strengthen the student for the rigors of the medical curriculum.

The Medical University has been significantly involved in the interdisciplinary training of paramedical professionals for some time. The two

programs which constitute the primary thrust of the paramedical training effort are the "Medical Extension" or MEDEX Program and the Nurse Midwifery Program.

The MEDEX Program began training the eighth set of new students this year. Fifty trainees are currently enrolled; 31 in classroom phase and 19 with preceptors in the field. This interdisciplinary effort continues to gain statewide recognition as program graduates are evidenced working in rural and/or underserved communities of South Carolina. The MEDEX Program will be further enriched through expansion of the teaching effort within the Area Health Education Center System. In response to recognized need, the College of Allied Health Sciences proposes to add three new faculty to the teaching effort.

Since the start of the MEDEX program, 99 students have graduated. Nine of the graduates are working in government-provided health programs, 67 are in the private sector, and seven are working in other health related activities. Ten of the graduates are working in areas whose residents are mainly from minority backgrounds and 73 are working in ordinary community settings.

The Nurse Midwifery Program is a joint program of the Colleges of Medicine and Nursing. Subsequent to a year of faculty and curriculum development, the program accepted and graduated nine students in November, 1975; eleven new students were accepted in October, 1975. The curriculum provides a mix of classroom and clinical experiences of nine to twelve months duration; the time requirements vary in this "self-pacing" program. Seven of the first graduates are practicing in South Carolina.

Physician extenders of all types are experiencing varying degrees of acceptance. This program is no exception. Consistent with the problem of acceptance and in addition to the usual program promotion efforts, the program is developing "teams" in cooperation with the Southeastern Regional Council on Development of Nurse Midwifery. Two "teams" are currently located in Dillon and Bamberg; other locations are anticipated.

The Team Approach to the provision of health services is continuing to develop. The successful offering of an American Student Medical Association sponsored course through the Department of Family Practice has been encouraging. The course offers an interdisciplinary group of students (medicine, nursing, pharmacy, and allied health) opportunity to participate in a family medicine type exercise which takes the students into selected family homes and a variety of health care agencies in the Charleston Community. The course is unique in that it has the benefit of being housed in one of the nation's most exemplary family care programs.

In conclusion, the Medical University of South Carolina forms the

apex of health care in South Carolina, but this is not to say that it "has arrived" or that the pursuit of excellence is any less urgent than in the past. If anything, there is a greater urgency for excellence as demonstrated by the level of ill health among South Carolinians.

COLLEGE OF DENTAL MEDICINE

The Macaulay Museum of Dental History was dedicated in October, 1975, as a key feature of the Medical University's observance of the nation's Bicentennial. Named after a trustee of the Medical University, Dr. Neill W. Macaulay of Columbia, South Carolina, the museum has on display more than 6,000 dental artifacts and books collected over a period of eighty years by Dr. Macaulay and his great grandfather, Dr. John Sharp of Walhalla, South Carolina. Open to visitors throughout the year, the museum was toured by more than 2,500 high school students from throughout the state during the academic year.

In November a 5-chair dental clinic was dedicated in the Richland Memorial Hospital. Senior students rotated through this clinic receive valuable off-campus training which enhances their knowledge of comprehensive health care. Senior students are also provided meaningful clinical experience in the Charleston County Hospital, Veterans Administration Hospital, Sea Island Comprehensive Health Center and the Medical University Family Practice Center.

In addition to participating in Medical University programs to train dental assistants, dental hygienists and dental laboratory technicians, the college helped furnish clinical experiences for 42 dental assistant students from Columbia, Greenville, Florence and Spartanburg through funding from the Area Health Education Center Program.

Nine graduate students, the largest number to date, received certificates for completing residencies in oral surgery, pediatric dentistry, prosthodontics and general dentistry.

The Continuing Education section gave 28 programs that were attended by 777 dentists and auxiliary personnel from 12 states and dental faculty made many presentations throughout the state on ETV as well as in personal appearances. A special room was staffed by faculty at the South Carolina Dental Association meeting to exhibit educational materials to practicing dentists.

The dental curriculum was carefully reviewed during the year by a special committee. It was the Committee's feeling that a longer curriculum would allow students to better assimilate dental procedures and practice techniques as they might apply in South Carolina. As the Office of Education continued to revise materials and rework course instructional materials the number of self study courses as well as elective courses was significantly increased. A larger central processor, the

PDP-11/40, was installed in the office of computer resources to allow more data to be gathered on student-patient relationships.

The College gratefully acknowledged the significant support it received for its student financial aid program from the private sector. The South Carolina Dental Association and the Coastal and Pee Dee District Dental Societies contributed to the program directly or through the Fund for Dental Education of the American Dental Association. Additional funding was received from the Thomas Hinman Clinic.

Another noteworthy donation was the considerable amount of x-ray diffraction equipment provided by the Monsanto Corporation. Meanwhile, federal funding and a gift from DuPont were received in support of the very active research program on Artificial Tooth Roots.

The College of Dental Medicine was saddened by the death of its founding dean, Dr. John E. Buhler, who passed away in April following a lengthy illness. A student financial aid fund has been established in his memory.

COLLEGE OF GRADUATE STUDIES

The rapid placement of this year's Ph.D. degree recipients into teaching and research positions was very heartening.

Nine degrees were awarded: three in Anatomy, one in Biochemistry, three in Pathology, one in Pharmacology and one in Physiology. Four of the recipients accepted assistant professorships in health science universities, one is serving as Research Associate in the National Institute of Allergy and Infectious Diseases, three have accepted postdoctoral fellowships and one has enrolled as a medical student. In addition to these doctorates, twelve M.S. degrees were awarded.

In replacement of these twenty-one graduates, thirty-nine applicants have been accepted and are expected to enroll during the fall.

The Graduate Faculty now totals 128 members, all of whom possess a doctorate and are specialists in one of the seven fields offering degree programs. These members have been recruited from practically every well-known health science university in the United States and from several foreign universities.

The recently established Master of Health Sciences degree (M.H.S.) program offered in collaboration with the College of Allied Health Sciences is still in the process of organization. It is anticipated that major concentrations, such as medical technology, physical therapy, radiologic technology and respiration therapy, will be of much interest.

Considerable attention has been given to a proposal to initiate programs leading to the Doctor of Nursing Science and the Master of Nursing Science degrees. The proposal will soon be presented for action of the Medical University's Board of Trustees.

Graduate enrollment for the reporting period consisted of 46 students in the M.S. program and 58 in the Ph.D. program. Of the total of 104 enrollees, 36 were women.

COLLEGE OF PHARMACY

Widespread attention was focused on the College's program of computer utilization to improve pharmacy practice. Not only did visitors from 34 states and eight countries travel here to view the system but the College was selected to present an educational display in conjunction with the Academy of Pharmacy Practice of the American Pharmaceutical Association at this year's national convention.

The College completed the third revision of its computerized patient information system, a system now in use by five community pharmacies for teaching and research purposes. A computer based system for institutionalized patients is in the final stages of refinement.

Because many pharmacies do not have access to a computer the College, working with Bell & Howell, has produced its drug interaction data base on microfiche. This will make this information readily available to most pharmacies since they already utilize microfilm viewers for pricing.

The College, in anticipation of receiving 67,000 gross square feet of adjoining building space, has begun working with architects to plan total renovation of the facilities. Acquisition of space will enable new programs to be implemented, others to be expanded, but most significantly will provide the College with physical identity. The College already has purchased approximately \$67,000 of pharmacy manufacturing equipment to be used in a new pharmaceutical technology laboratory.

Among continuing education opportunities offered to the state's pharmacists were four major seminars covering the topics of Gastrointestinal Disorders, Arthritis and Gout, Contraceptives, and Store Management. The College also cooperated with the American Society of Hospital Pharmacy in sponsoring a seminar on Intravenous Admixture, this program attracting the largest attendance of any such regional gathering.

Nine faculty members made presentations on the various aspects of pharmacy practice at a total of 74 seminars throughout the country.

It was the privilege of the local student chapter to host the District 3 Student American Pharmaceutical Association program, the first time in 23 years that regional program was held outside of Atlanta. Some 190 students attended the three-day meeting.

Six students are involved in a university-wide interdisciplinary course whose objectives are to promote better health care delivery through better understanding and use of health providers.

Loans from a variety of sources in the total amount of \$91,730 were issued to 78 students during the academic year.

COLLEGE OF NURSING

The academic environment of the College of Nursing continues to improve as the quality of faculty and students increases. Further improvement will come as graduate faculty and students become part of the College and especially as faculty interact within the total Medical University and the College of Charleston.

A federal grant application has been submitted for the support of graduate programs in Nursing. A four year sequential curriculum is proposed which would allow students to receive a Master of Science in Nursing degree at the end of two years' study or to continue for two additional years to receive a Doctor of Nursing Science degree. The proposal would also allow the option of study toward the Ph.D. degree for those interested primarily in research.

During the spring a cooperative arrangement with Francis Marion College was announced which would allow freshmen students in the Medical University Nursing Program to take the first two years of general education and basic science courses at Francis Marion. During the sophomore year Medical University faculty will teach introductory courses in nursing on that campus.

A clinical director of Pediatric Nursing has been appointed at the Medical University Hospital. Also, faculty have instituted "Primary Care Nursing" on one of the surgical wards of the Hospital. A pilot study of the effectiveness of this type of nursing intervention is anticipated to lead to the development of a larger research proposal in this area.

The Nurse-Midwifery program received accreditation in April from the American College of Nurse-Midwives. This approval was an important step in the development of quality educational programs having a positive impact on the health status of mothers and babies in the state.

Dr. Rozella Schlotfeldt, consultant to the College of Nursing for the past five years, was granted an Honorary Doctor of Humane Letters degree at the June 3 Commencement exercises. Dr. Schlotfeldt is the first woman and the first nurse to have received an honorary degree from the Medical University.

The provision of primary care in the Health Department clinics of Dorchester and Berkeley counties continues to be an important aspect of the service provided by nurse-midwives. A new dimension to care was the addition of childbirth education classes. After several meetings with Public Health nurses, a course for childbirth education was developed

by nurse-midwifery service. The course, open to all families enrolled in these Health Department antepartum clinics, consists of a series of eight classes dealing with pregnancy, childbirth, postpartum care, family planning and newborn care.

In the fall of 1975 the nurse-midwifery service began providing antepartum care at the Franklin C. Fetter Center. Previously obstetrical residents from the Medical University attended the clinic. The new arrangement allows the patients to be seen continually at the Franklin C. Fetter Center rather than be transferred to the Medical University Hospital in their last month of pregnancy and the residents to serve as consultants.

A grant proposal has been drawn to conduct a 14 county continuing education plan in South Carolina. The plan provides for a formal organizational structure with a project director and three coordinators to organize and assist six regional centers with continuing education. An advisory council was appointed to assist with project plans.

The college also drew up a statement of need for a family nurse-practitioner program based on state needs and resources.

A contractual agreement between the College of Nursing and the Air Force ROTC program at the Baptist College of Charleston was reached making it possible for junior and senior students to enroll in the program. Students will receive credits toward graduation through completion of aerospace studies courses.

The Student Nurses' Association, in addition to its strong participation in community activities, presented a number of educational programs covering such diverse topics as the Medical University Hospital Burn and Trauma Unit, the Student Faculty Olympics, Malpractice Insurance, Nurse-Midwifery and the significant problems still posed by respiratory diseases. The Association has a membership of 120 students.

COLLEGE OF ALLIED HEALTH SCIENCES

The College made measured progress toward its educational goals during this academic period. Recruitment, admissions and enrollment reached new high levels in terms of numbers and quality. Similarly, student completion of health programs also increased to the highest point in the College's history.

A new advanced degree program (Master in Health Sciences) was approved by the Commission on Higher Education in December, 1975. Operational planning began during the last six months with a projection of student admission as of Spring Quarter, 1976-77. Financial problems in the state inhibited implementation as previously planned for the Fall Quarter.

Faculty recruitment for both replacements and new positions showed progress for the year. The average level of post-secondary preparatory background increased with the trend continuing toward minimal masters or equivalent education for fulltime faculty. The total faculty at the end of the report period included 65 fulltime, 79 clinical and 58 in joint and adjunct appointments.

Recently approved baccalaureate level programs in Dental Hygiene, Respiratory Therapy and Radiologic Technology matriculated students for the first time during the reporting period. The baccalaureate level Occupational Therapy Program organized during the reporting period and accepted students for matriculation in the Summer Quarter of 1976.

Several allied health programs received accreditation visits during the year with all programs continuing in some level of positive recognition. Of significance was the approval of Physical Therapy in conjunction with completion of clinical education of the first class. The clinical education phase of Physical Therapy saw the addition of 14 facilities, bringing to 38 the number of locations within which senior students receive part of their education.

The Cytopathology Laboratory, the training base for the Cytotechnology program, received accreditation of the American Society of Cytology, becoming one of only fourteen laboratories so sanctioned nationally. The Cytotechnology degree program, which was pioneered at the Medical University, continued to serve as a model for institutions wishing to establish a degree level program in the specialty.

Work on the new Allied Health Sciences building neared completion as the reporting period closed. Plans for moving into the structure were finalized.

Grants and contracts reflecting federal support for educational endeavors rose to a new high of \$648,542.

STUDENT LIFE ACTIVITIES

The Financial Aid Office managed to pool resources from institutional, state and federal programs and from the private sector to meet approximately 90% of documented student needs during 1975-76. The accomplishment was all the more notable in view of limited resources and extremely late notifications as to federal funding. These factors adversely affected counseling efforts and the ability to make commitments to students in a timely manner.

The director published a regional position paper entitled "Health Professions Student Loan Program: View from the Campus" which was made available to Congress for consideration in developing legislation to

finance Health Professions Education. She also cooperated in the preparation of federal legislation to grant tax exempt status to students receiving assistance in contractual programs.

The Student Government Association (former Inter-School Council) has completed its reorganization to improve representation from the various colleges, enlarge the scope of its student activities, and to provide a more accurate voice on student concerns. Recreational opportunities were broadened through an expanded intramural basketball program; formation of a soccer club; tennis and golf tournaments; free beginning tennis classes; and mixed Saturday afternoon football games between classes and schools within the Medical University. Because of limited recreational facilities, permission is being sought for additional temporary use of those at the College of Charleston and The Citadel.

Plans for a Student Center Building are virtually complete and awaiting state approval to proceed. The facilities to be contained in this building are greatly needed and should resolve many of the concerns currently articulated by students and student government, i.e., food services, lounges, recreational facilities, and meeting rooms.

An upsurge of activity has been noted among professional student associations. As to variety of projects, the Student American Pharmaceutical Association hosted the regional convention in Charleston; the Student National Medical Association (minority medical students) implemented a five-week Athletic Trainer Program (high school students) as part of a Health Awareness Project; and the American Medical Student Association is developing a MECO (Medical Education Community Orientation) project to be in operation next year and has initiated contact with the Office of Educational Resources to assist in the area of academic evaluation.

The housing listing and locator service is widely used by students and has become fairly well-known to property owners in the area. But off-campus housing remains a serious problem, as sufficient housing in a price range which students can afford is in very short supply.

UNIVERSITY REGISTRAR AND DIRECTOR OF ADMISSIONS

The Student Information System (SIS) continues to be the major project undertaken by the staff. Continued emphasis has been placed on confidentiality as related to the student's records. Every effort has been made to comply with the regulations of the Family Educational Rights and Privacy Act passed by Congress in November, 1974 and amended in January, 1975. This office dealt with applicants, parents, enrolled students, faculty, and other administrative officers in carrying out its goal to serve the entire University family.

MEDICAL UNIVERSITY OF SOUTH CAROLINA

ENROLLMENT

1975-76

| | |
|--|--------------|
| House Staff | |
| Interns - Medicine | 45 |
| Residents - Medicine | 277 |
| Residents - Dental Medicine | 26 |
| TOTAL | 348 |
| College of Graduate Studies | |
| Master of Science | 46 |
| Doctor of Philosophy | 58 |
| TOTAL | 104 |
| College of Medicine | |
| First Year | 165 |
| Second Year | 176 |
| Third Year | 153 |
| Fourth Year | 164 |
| TOTAL | 658 |
| College of Dental Medicine | |
| First Year | 55 |
| Second Year | 52 |
| Third Year | 58 |
| TOTAL | 165 |
| College of Pharmacy | |
| Third Year | 73 |
| Fourth Year | 57 |
| Fifth Year | 46 |
| Special Students | 2 |
| TOTAL | 178 |
| Doctor of Pharmacy (Pharm. D.) | |
| Fifth Year | 6 |
| Sixth Year | 7 |
| TOTAL | 13 |
| College of Nursing | |
| Baccalaureate Program | |
| First Year | 71 |
| Second Year | 72 |
| Third Year | 63 |
| Fourth Year | 62 |
| TOTAL | 268 |
| Nurse Midwifery Program | |
| TOTAL | 9 |
| College of Allied Health Sciences | |
| Baccalaureate Programs | 111 |
| Associate Degree Programs | 194 |
| Certificate Programs | 157 |
| Special Students | 11 |
| TOTAL | 473 |
| Total Enrollment | 2,216 |

DEGREES CONFERRED

1975-76

Graduate Studies

| | |
|----------------------------|-----------|
| Master of Science | 12 |
| Doctor of Philosophy | 9 |
| TOTAL | 21 |

| | |
|---------------------------------|------------|
| Doctor of Medicine | 161 |
| Doctor of Dental Medicine | 51 |
| Doctor of Pharmacy | 6 |
| TOTAL | 218 |

Baccalaureate

| | |
|------------------------------|------------|
| Pharmacy | 47 |
| Nursing | 56 |
| Allied Health Sciences | 48 |
| TOTAL | 151 |

Certificate

| | |
|---------------------------------------|------------|
| Allied Health Sciences | 180 |
| Medical and Dental Postgraduate | 97 |
| Nurse Midwifery | 9 |
| TOTAL | 286 |

| | |
|------------------------------|------------|
| TOTAL GRADUATES | 676 |
|------------------------------|------------|

RESEARCH

Restructuring of the Institutional Review Board for Human Research, a component of the overall Research Committee, was accomplished to comply with federal guidelines. The Board's Protocol Review Group reviewed and approved 160 applications during the year, the average time for review being eight days. Controversial projects were generally resolved without full committee meeting by bringing investigator and reviewer together. When significant questions were still presented, full committee discussion was held at the monthly meetings. A separate team, the Subject Advisory Group, monitored ongoing projects on a yearly basis. There were no serious problems on human research coming to the attention of the committee.

Total active support from the National Institutes of Health, the major source of research funding, came to \$3,544,609 during the year. Veterans Administration funding in the amount of \$138,574 brought total active support in that area to \$545,198.

Federal funding through the Biomedical Research Support Grant increased appreciably from \$117,259 the previous year to \$193,000. Forty-one different investigators were supported through this source. The grant, though not a prime source of research funding, has been useful for any number of reasons. The support has allowed the institution to provide technical help to faculty members who have

experienced a temporary hiatus between extramural grant support for personnel. On occasion, it has been used for short term technical support until an investigator can acquire another source of funding. It is clear that the grant has been instrumental in providing important background data for applications which have subsequently been funded.

A student partially supported by the grant won first prize in the National Student Research Competition held by the American Student Medical Association. Other work which received national recognition included studies on the role of von Willebrand's Factor and platelet aggregation in the vascular disease of diabetes, the use of platinum compounds as antineoplastic agents, a new mechanism for diarrhea due to *e. coli*, plasma steroids in pregnancy, and studies on the contractile state of the left ventricle during long-standing hypertrophy in dogs.

The State Appropriation for Biomedical Research of \$203,490 funded 36 projects. Of these, nineteen were in clinical departments and seventeen in basic science departments.

OFFICE OF EDUCATIONAL RESOURCES

Under a reorganization, activities of four educational support units are now being coordinated through a new Office of Educational Resources. The units have been designated as divisions and encompass Informational Services (Libraries), Curriculum Planning and Research, Instructional Services and Audiovisual Services.

Informational Services

The Library collection now totals 109,135 volumes as 6,396 monographs and bound journals were added during the year. The number of current journals received was 2,325.

The Library's Technical Processing Division, in addition to its customary functions, classified and cataloged all audiovisual and self-instructional materials housed in the Library's Learning Resource Center, in the satellite learning centers located in the College of Dental Medicine and College of Nursing, as well as in the Area Health Education Centers throughout the State.

The Reference Department completed 3,291 manual literature searches; MEDLINE searches numbered 1,725; and 805 searches using other data bases were run via the MEDLINE computer terminal. The Interlibrary Loan and Extension Divisions provided 8,503 monographs or photocopies of journal articles to users throughout the State and the Southeast; 2,550 items were borrowed for Medical University users. Circulation for 1975-76 rose by 18 percent to 54,990 items borrowed.

Federal funding in the amount of \$15,000 was received to complete the three-year grant to develop a Learning Resource Center in the

Library and \$14,000 from the Southeastern Regional Medical Library Program for the library's role in providing information to institutions and individuals in the Southeast.

The annual state appropriation was \$568,016, with other funds bringing the total to \$600,198. Despite this level of support, inflationary book and journal prices, coupled with the purchasing of foreign publications with devalued dollars, has limited the Division's ability to support educational and research programs.

The fourth floor addition to the library is in the process of completion. This floor will house the Learning Resource Center and the Divisions of Curriculum Planning and Research, and Instructional Services.

Waring Historical Library

Consolidation of the rare book collection of the Health Affairs Library with that of the Waring Historical Library was undertaken, with approximately 200 books transferred from the South Carolina Room. Additionally, more than 300 books were presented privately as gifts to the library. Notable among the gifts were the medical library of Edmund W. Simons of the class of 1905, the medical libraries of the Drs. J. L. Napier, class of 1868, and C. D. Napier, class of 1898, books from the Porcher family of Charleston and some 20 books on homeopathy.

The library continued its purchase of the Leonardo da Vinci Codex Atlanticus series, obtaining Volumes 6 through 9. William Currie's *A View of the Diseases Most Prevalent in the United States of America* . . . Philadelphia, 1811, was located in a rare book catalogue which noted that the book was stamped in gold tooling, "Medical Society S. C." It is surmised that the book was lost or taken from the Society's library many years ago.

Other gifts of interest to the Waring Library were a manuscript day book of Dr. William L. Jenkins of Pendleton Village, S. C. covering the years 1848-1852; papers of two former professors of surgery, Dr. Horace G. Smithy and Dr. Frederick E. Kredel; 19th century instruments of Dr. John S. Wolff of Laurens County, and of Dr. F. F. Gary of Cokesbury, S. C.; a plaster bust of G. B. A. Duchenne, 19th century French neurologist; a portrait of the first dean, Dr. Thomas G. Prioleau, and a model of the human larynx which had been made by Dr. W. Cyril O'Driscoll, former professor of anatomy.

There was a growing interest in old handwritten theses in this bicentennial year. Approximately 25 were photocopied and sent to interested persons as well as descendants scattered as far afield as an anthropologist in Winnipeg, Canada, and former Senator Sam Ervin of North Carolina. Researchers during the year included three novelists, one interested in the treatment of gun shot wounds in the 18th century,

one whose heroine was a midwife, and another interested in Thomsonian medicine.

In honor of the Bicentennial, a special display on "Charleston's Medical Men of the Revolution" was exhibited in the Library-Administration Building and "200 Years of Pharmacy" in the Basic Sciences Building. In addition, the Waring Library contributed items and rare books for an exhibit at the Columbia Art Museum sponsored by the Woman's Auxiliary of the Columbia Medical Society.

The Curator, Dr. Joseph I. Waring, contributed articles for bicentennial issues of several journals. "Medicine in Charleston at the Time of the Revolution" appeared in the *Journal of the History of Medicine and Allied Sciences*, and "American Pediatric Writings of the 18th Century" in the *American Journal of Diseases of Children*. Along with the Director of Libraries, Warren A. Sawyer, he wrote a chapter, "Medicine and the Sea 1670-1783," in a book *South Carolina and the Sea, Day by Day toward Five Centuries 1492-1976*, Volume 1, which was published as a Bicentennial Project by the Maritime and Ports Activities Committee of the Charleston County Bicentennial Committee. James Percival Petit edited this book and Dr. Waring served as associate editor.

In October, 1975, Dr. Waring was awarded a plaque by the Easter Seal Society for Crippled Children and Adults of South Carolina for 23 years of devoted service as Chairman of the State Medical Advisory Committee to the Society. In January, 1976 the South Carolina Hospital Association presented a plaque to him as a Certificate of Appreciation "for his significant services to the public, both as an excellent physician and as a most notable medical historian." And in April the College of Charleston presented to him a testimonial plate for "his contributions to Historical Scholarship and Literature in his native city." In June he gave an address on the history of pharmacy at the 100th anniversary meeting of the South Carolina Pharmaceutical Association which was held in Charleston.

Curriculum Planning and Research

Major efforts were directed toward restructuring the third and fourth years of the new Curriculum in the College of Medicine. Particular attention was given to the establishment of criteria for electives and a means for reviewing electives proposed by the faculties of the College, affiliated hospitals and the four Area Health Education Center hospitals. Assistance was also given in the development of the University Calendar and a uniform grading system.

Questionnaires were distributed to students and faculty to evaluate course effectiveness, taking in course content and material, teaching methodology, examination and grading practices. Statistical analysis of

the relationship between attitude toward a course and performance on examinations was undertaken.

The Division was deeply involved in the design and implementation of the three minority projects, Summer Health Careers, Summer Preparatory Program and Visiting Professors Program. Counsel was provided students as to their progress and performance; meetings were arranged between the South Carolina Council for Pre-Health Education of minority group students and the Medical University faculty before, during and after the program; and a final session was scheduled for student presentation of research papers.

Instructional Services

The number of courses including some form of self-instruction doubled during the year in the College of Dental Medicine. As a result, student use of the Dental Satellite Learning Center increased appreciably. On the basis of student requests, the Center was opened an additional twenty hours per week. Altogether more than 60 new programs were added to the Center's collection of materials.

Projects involving the development of mediated instructional materials are now in process in the Departments of Endodontics, Oral Medicine, Pedodontics, Biophysical Dentistry, Crown and Bridge, Operative Dentistry, Oral Surgery, Prosthodontics and Periodontics.

Computer programs to assist the Dental Admissions Committee in the student selection process have been developed. Personality tests were administered to all interviewed applicants and an analysis of data on the applicants was initiated. A long range goal is to develop a mechanism to describe the potentially successful applicant.

The Division was able to offer greater assistance in instructional evaluation than in any previous year. It initiated a student instructional rating system for interested faculty, with twenty-one faculty members participating.

Audiovisual Resources

The Division continued to improve and expand its services to the six colleges of the Medical University as well as to the South Carolina Regional Medical Program and the Area Health Education Centers. Support included planning, production and distribution of multimedia projects as well as consultation and instruction in the development and use of self-instructional and other audiovisual materials in video, audio, photo and art formats.

Projects Completed

Art660 (includes 7 scientific exhibits)
Cinematography116 (includes 10 color/sound films)

| | | |
|-----------------------------|-------|--|
| Classroom Support | 2,041 | (plus 1,721 equipment loans) |
| Photography | 3,429 | (primarily still photography) |
| Television | 2,248 | (includes 119 productions as well as 273 playbacks, 1,621 dubs, and 235 maintenance and repair projects) |

MEDICAL UNIVERSITY HOSPITAL

The year's activities were highlighted by the move of the Department of Ophthalmology into the new Albert Florens Storm Memorial Eye Institute and the Ambulatory Outpatient Clinics into the new Clinical Science Building. The Storm Eye Institute houses two outpatient clinics, twenty-four inpatient beds and surgical facilities, all operating at peak capacity. The new Ambulatory Outpatient Clinics offer a modern patient care environment in more than twenty-seven clinic services and have been experiencing an average of four hundred visits per day.

The Department of Radiology expanded in new quarters on the third floor of the Hospital where work is still in progress to provide the department with three new radiographic rooms and critically needed administrative space. Radiology also acquired several new pieces of equipment including a MEMCO Specific Processing Vascular Table in Neuroradiology, a new Hydrojust Cystoscopic Table, and an EMI Head Scanner. Installation was completed in the Radiation Therapy Division of a third Linear Accelerator. Utilization of this equipment has been determined to be more effective than cobalt.

The hospital also recorded the completion of a new Intensive Care Unit on the Sixth Floor as well as the renovation of intensive care facilities on the Fourth Floor. Plans were initiated to build a Rapid Turn Around Lab for Laboratory Medicine on 2-West to provide both the Hospital and the Ambulatory Care Clinics with services in Hematology, Urinalysis, Microbiology and Chemistry. Also in the planning stage are connecting ramps to the new Storm Eye Institute on the second and third floor levels as well as a much needed expansion of the food service facilities on the First Floor of the Hospital. Steps have been taken to consolidate and relocate the Medical Record Department in a new area on 2-West, making it possible for the department to serve both the Clinics and the Hospital with a Medical Unit Record System.

In the area of special educational programs, the Hospital continued to offer a "Nursing Extern" Program and initiated a "Nursing Intern" Program and a program entitled "Horizons in Pediatric Nursing" designed to familiarize South Carolina students with employment opportunities available in Pediatric Nursing at the Medical University Hospital. In addition, a booklet was developed to provide information on the specialized services available at the Hospital. It has been useful in

emphasizing the referral role of the Hospital and also serves as a recruitment tool.

An extensive recruitment effort by the Department of Nursing has succeeded in attracting sixty-two additional Registered Nurses. This increase in nursing personnel brings the total of RNs to 304 as of July 1976 which is more than twenty-five percent greater than the total one year ago.

The Medical University Hospital was awarded full accreditation for two years by the Joint Commission on Accreditation of Hospitals. A citation was made of the Hospital's efforts in continuing to maintain high standards.

Dr. Charles P. Darby, Jr. was appointed full time Medical Director of the Outpatient Clinic. During the year the Clinic recorded 116,475 patient visits, an increase of 8,530 over the previous reporting period.

STUDENT-EMPLOYEE HEALTH SERVICES

During the reporting period, the Medical University Student-Employee Health Services provided 24-hour outpatient medical care for a student body of 2,216 (including 348 house staff) and occupational health care for some 4,700 employees. The health staff included two physicians, six nurses and two part-time nurses. A student mental health program was available through a physician retained in the Department of Psychiatry, who was assisted by the Department's Residents and Clinical Psychologists. Emergency medical coverage outside regular working hours was provided by Medical University Hospital House Staff.

The nurses station for after-hours medical care was moved from the third floor of the Hospital to the first floor, where space is shared with the Radiation Therapy Department. The present area provides more space and better facilities than the previous location.

Preventive medicine procedures were modified by discontinuing smallpox vaccination on students and employees, as recommended by the U. S. Public Health Service. All female employees of childbearing age working with patients in the Pediatrics Department of the University Hospital were tested for immunity to Rubella. Those who were not immune were immunized.

There were 14,451 visits to Health Services, a decrease of 1,369 from the previous year. Of the total visits, 6,500 were made by students, 7,716 by employees, and 28 by visitors. There were 31 hospital admissions with 139 hospital days, compared with 39 admissions with 205 hospital days in the previous year.

PASTORAL SERVICES

Detailed plans have been drawn for a new Chapel and family Consultation Room in the Medical University Hospital. Space is expected to be released shortly as offices are relocated in new structures adjoining the hospital.

Certain world religions and smaller sects represented in this country have specific procedures and requirements to be observed upon the deaths of members of their faiths. A search for such information was instituted and a compendium was prepared and circulated among appropriate departments of the Medical University.

Two workshops in Bio-Medical Ethics attracting wide community attendance were presented. The first was led by Dr. Edmund L. Erde, Institute for Medical Humanities at the University of Texas Branch in Galveston, on "Medical Ethics and the Fostering of the 'Self'" and the second by Dr. C. Charles Bachmann, director of Clinical Pastoral Education and Chaplain Supervisor of the Edward J. Meyer Memorial Hospital in Buffalo, N. Y. on "New Dilemmas in Medicine and Religion."

The Charleston Forum in Medicine and Theology, organized several years ago by this office, was presented six times during the past year, a sign of good interest and acceptance on the part of the Community. Participation of Medical University faculty has helped the program considerably.

A program deserving particular mention is the Commemoration Service held each fall in the Medical University Chapel of St. Luke "For those who have contributed their physical being to the healing arts." The concept of paying formal respect to those who even in death contribute to the progress of medicine originated in the Department of Anatomy. A special text was written which has served as a model for other institutions desirous of honoring the deceased. The Medical University service attracts capacity attendance of students and faculty.

EXTRAMURAL AFFAIRS

Through the development and administration of numerous extramural programs, the Medical University functions as the core of a statewide system for health services education. To insure the closest possible coordination of these activities, the position of Assistant Academic Vice President for Extramural Affairs was created this year. In this new role, the Assistant Vice President receives the advisory help of three Committees: University and Education, Community Needs and Services, and Administration and Budget.

Residency Programs in South Carolina

In 1973, when the statewide Family Practice Residency System was established, small programs (greatly expanded since then) were in existence at the Medical University, Spartanburg, and Greenville. Within a brief period of two years additional programs were initiated at Richland Memorial Hospital in Columbia and Anderson Memorial Hospital. As evidence of the remarkable interest in family medicine, building construction will start soon for a sixth program at the Self Memorial Hospital in Greenwood; a seventh program is on the drawing board in Florence; and interest in this residency training has been expressed in the Rock Hill-Lancaster-Chester area.

Of significance is the fact that of the 79 physicians who have completed their training, 57% have located in South Carolina. An additional 14% of this group currently in military service have indicated they plan to return to this state after discharge, resulting in an excellent 71% retention rate. Besides the 79 residents who completed their full three year training program, 38 physicians participated in one to two years of training, 16 of this number currently practicing in the state.

The attraction of South Carolina is also evidenced in the steady growth of programs other than Family Practice. The number of residents in Obstetrics-Gynecology, Pediatrics, Orthopedics and General Surgery who have trained in the Area Health Education Center and Consortium Hospitals increased from 50 in 1972-73 to 72 in 1975-76.

Instruction in these programs is provided by 40 faculty who are fully supported by extramural program funds of the Medical University and 147 part-time faculty.

In the period 1972-75, a total of 426 physicians were trained in Consortium Hospitals other than the Medical University and 141 medical students received some portion of their training in them.

Statewide Family Practice Residency Program

Residents-In-Training

| | 1970-1971 | 1975-1976 | Planned |
|-----------------------------------|-----------|-----------|---------|
| Charleston | 3 | 43 | 45 |
| Greenville | 1 | 29 | 36 |
| Spartanburg | 3 | 33 | 36 |
| Anderson | — | 7 | 24 |
| Columbia | — | 9 | 30 |
| Greenwood | — | — | 12 |
| Florence | — | — | 18 |
| Rock Hill-Lancaster-Chester | — | — | 12 |
| TOTALS | 7 | 121 | 213 |

Continuing Education

Reaching its full production potential this year, the Division of Continuing Education carried a full forty-three hours per month of closed circuit television to its Health Communications Network's hospital membership. Additionally, it produced and broadcast four hours of open circuit television per month, eight hours over Charleston Cablevision per month, and two hours of open circuit FM radio programs per month, and is beginning a phone information program.

Open circuit broadcasts are transmitted by the South Carolina ETV's ten transmitting locations and have the potential of reaching the majority of the citizens in the State.

Meanwhile, membership in the Division's Health Communications Network continued to climb. Presently, the Network has twenty-eight hospital members collectively representing the entire State. Shortly the Department of Health and Environmental Control will join along with its twelve district offices increasing membership to forty. Additionally, the South Carolina Nursing Home Association is negotiating with many of its members to join the Network.

The Network is the owner of a completely equipped color mobile unit meeting all technical standards set forth by the Federal Communications Commission, South Carolina ETV, and commercial television. The unit is actually a "television station on wheels," and is completely self sufficient with a 15 kw diesel generator.

The production staff produced 63 video tape programs during the year and is anticipating an even larger number of programs.

The Health Communications Network production, "The Dying Child," was nominated for an award at a media festival in New Orleans and "Snake Bite" was viewed by the Colgate-Palmolive Company over open circuit and ordered for its company as a training aid for all employees.

Continuing Education estimates it had the following viewing audience during the year: Closed circuit television, 13,284; open circuit television, 735,000; FM radio, 15,750 and Charleston Cable TV 4,000.

Shortly, the Division will have the capability of television origination at the Medical University, Richland Memorial Hospital in Columbia, Spartanburg Hospital and Greenville General. This new system will enable the Area Health Education Center and Statewide Family Practice Residency Programs to participate fully with the Division in developing live classroom programs.

The Division, through its memberships in the Public Service Satellite Consortium and the International Tele-Health Communications Planning Group, is working towards a satellite application in cooperation with various other satellite consortium groups. It is hoped that the Medical University will become the base to serve undeveloped

areas of the world with medical education and medical consultation.

The Division presented numerous conferences, lectures and workshops which were attended by 5,900 health practitioners. The content of the courses was both comprehensive and timely.

Division Of Continuing Education Courses

| <i>Date</i> | <i>Name of Program</i> | <i>Attendance</i> |
|----------------|--|-------------------|
| Aug. 4-8 | The Third Annual Beach Workshop | 130 |
| Aug. 6-8 | Latest Techniques in Nuclear Medicine | 30 |
| Aug. 27-29 | Public Health Skills for Physician Extenders | 47 |
| Sept. 7-13 | Family Practice Review Course | 49 |
| Sept. 23-27 | Fifth Annual Dosimetry Conference | 21 |
| Sept. 25-26 | Gynecological Oncology Program | 125 |
| Oct. 3 | Genetics for the Practicing Physician | 37 |
| Oct. 10-11 | Cardiac Pacing - 1975 | 84 |
| Oct. 16 | Third Annual Ophthalmic Refresher Course | 36 |
| Oct. 16 | Otolaryngology Refresher Course | 24 |
| Oct. 16-18 | N.C.-S.C. Society of Ophthalmology & Otolaryngology Annual Joint Scientific Session | 129 |
| Oct. 23 | What's New in Cancer Nursing | 126 |
| Oct. 29-30 | National Board Exam Review for Physician Extenders | 22 |
| Oct. 30-31 | College Advisors Conference | 36 |
| Oct. 31-Nov. 1 | The South Carolina Dietetic Association | 65 |
| Nov. 2-5 | Fourth Conference on Embryonic and Fetal Antigens in Cancer | 163 |
| Nov. 3-8 | Nuclear Medicine Quality Control | 5 |
| Nov. 7 | Fitness Over Sixty | 66 |
| Nov. 14-15 | College of Surgeons Meeting - Symposium on Cancer | 96 |
| Dec. 4 | What's New in Pediatric Cancer Nursing | 166 |
| Dec. 8-11 | Leadership in Community Health Nursing | 41 |
| Jan. 14-16 | Physical Fitness Testing and Training | 67 |
| Jan. 22 | Cancer of the Breast | 157 |
| Feb. 15-21 | Seventh Annual Family Practice Refresher Course | 86 |
| Feb. 26 | Cancer of the Lung & Esophagus | 185 |
| Mar. 11-12 | Cardiopulmonary Problems in Infants | 60 |
| Mar. 12-14 | Sixth Annual Neuropathology Review Course | 25 |
| Mar. 16-June 1 | Heterocyclic Chemistry | 21 |
| Mar. 18-20 | Southern Society of Anesthesiologists | 268 |
| Mar. 20 | Cytology Seminar No. 12 | 125 |
| Mar. 24-26 | Update Topics in Internal Medicine | 120 |
| Mar. 25 | Cancer of the Colon | 153 |
| Apr. 1-3 | 10th Annual Ophthalmology Residents Conference | 53 |
| Apr. 8 | Parapsychology and the Discipline of Medicine | 250 |
| Apr. 10-11 | Forensic Odontology Conference | 21 |
| Apr. 16 | Management & Mismanagement of Urinary Tract Infection and Inflammation | 37 |
| Apr. 22 | Rehabilitation of the Rheumatoid Arthritic Hand | 6 |
| Apr. 23 | Cancer of the Head and Neck Regions | 86 |
| May 6-7 | S.C. State Board Examination Review | 48 |
| May 6-7 | Aphasia | 43 |
| May 28 | Cancer of the Genito-Urinary Tract | 117 |
| June 11-12 | Public Health Skills | 50 |

| <i>Date</i> | <i>Name of Program</i> | <i>Attendance</i> |
|-------------|---|-------------------|
| June 25 | Psychological Aspects & Rehabilitation of the Cancer Patient | 125 |
| | Sub-Total | 3,601 |

Off Campus Programs

| <i>Date</i> | <i>Name of Program</i> | <i>Attendance</i> |
|-------------|--|-------------------|
| Oct., Dec. | | |
| Feb., Apr. | State Park Health Center Visiting Professor Series | 105 |
| Sept.-Apr. | Kershaw County Medical Society Lecture Series | 250 |
| Sept. 12-14 | Tri-State Consecutive Case Conference | 29 |
| Mar. 23-25 | 20th Greenville Postgraduate Seminar | 250 |
| Apr. 9-10 | Nutrition in Clinical Practice | 30 |
| Apr. 13 | The Interdependence between Computerized Axial Tomography, Diagnostic Ultrasonography and Nuclear Scanning | 20 |
| June 25-26 | Second Annual Alumni Weekend: Practice of Family Medicine | 50 |

Special On-Campus Programs

| | | |
|----------------|--|------|
| Jan.-June | | |
| 5 hrs per week | Diagnostic Radiology Continuing Education Seminars | 1535 |
| June 11-12 | S. C. Society Histology Technicians Summer Seminars and Workshops | 30 |
| | Sub-Total | 2299 |
| | TOTAL | 5900 |

South Carolina Regional Medical Program

In this, the final program year of the South Carolina Regional Medical Program (SCRMP), soon to be replaced by a series of Health Service Agencies, remarkable progress was made in the area of medical screening. Particularly noteworthy were the nine sponsored projects in hypertension control wherein 90,261 individuals in more than 250 communities were examined. Abnormal blood pressure findings were made in 11,275 persons who were then referred for further evaluation or treatment. Special thanks are due the South Carolina Heart Association for its assistance.

Additional screenings for cervical cancer (23,400), diabetes (4,285) and renal disease (1,516) resulted in a total of 119,462 persons receiving medical screening evaluation at one or more locations in all 46 counties of South Carolina.

In the phasing out of SCRMP, which has funded nearly 200 health projects in the total amount of well over \$12 million, SCRMP can point to coronary care as an example of what the program has meant to South Carolina. In the initial year of 1967 there were only three hospitals in the state equipped with intensive coronary care units. SCRMP set to work to train physicians and nurses to handle the complex equipment

required in these units. Through additional assistance, including planning support, the number of hospitals equipped with these life saving units grew to 34. Also, coronary monitoring linkage between major and outlying hospitals was established in two areas.

Under the National Health Planning and Resources Development Act of 1974, a network of Health Systems Agencies is being established to replace the functions of regional medical programs, comprehensive health planning agencies and Hill-Burton health facilities financing programs. Four HSA's were prescribed for South Carolina by action of the Governor. SCRMP projects were to be terminated on June 30, 1976 and all final administrative actions in closing each regional medical program completed by September 30, 1976. Arrangements are under way at a national level to select especially meritorious projects for continuation under other national sponsorship in the new fiscal year.

ADMINISTRATION AND FINANCE

The Medical University began its fiscal year with a State Appropriation of \$69,707,936; after the budget cut imposed upon all State agencies in October of 1975, the total appropriation was reduced to \$67,308,870. Although it was necessary for most segments of the University to make adjustments in programs planned for the year in order to comply with the decreased funding, the institution was able to use its resources effectively and to complete the fiscal period without a drastic reduction in productivity.

The gross payroll for the year was \$44,900,000, an increase of \$1,100,000 over the previous year. Total expenditures processed for sponsored programs amounted to \$28,900,000, which indicated an increase of \$800,000 in grant support over the 1974-75 budget period.

Implementation of plans for such major projects as the Student Center, Radiology and Laboratory Building, and Institute for Human Development has been postponed because of the State Budget and Control Board's moratorium on new construction from capital improvement funds.

The Business Operations Division, which administers a diverse group of activities, reported record Bookstore sales of \$259,149.10, an increase of 24% over the previous year. The total number of student loans administered by the University was 1,635, an increase of 14% over the number for 1974-75. Many more students were aided through the Student Work-Study Program, Economic Opportunity Grant Program and National Direct Student Loan Program than in previous years. Student loan collections for the year amounted to \$58,762.07, compared with \$39,977.41 for the previous fiscal year.

The Department of Personnel Services interviewed 2,481 persons for

possible employment during the 1975-76 year, which exceeded the number interviewed in the previous period by 27%. In addition to performing the recruiting, record-keeping and processing of personnel forms for the institution, Personnel Services also conducted programs aimed at benefitting individual employees. The Department organized training programs to advance skills, develop supervisory personnel and give employees lacking formal education an opportunity to secure a high school equivalency as an aid to promotion and development. It also secured a positive revenue ruling on the University's deferred compensation plan, which resulted in an opportunity for tax savings for employees who wish to defer income for retirement. The University received permission from the State Personnel Division to reallocate the grades for certain specialized positions such as LPN's and dental laboratory technicians so that salaries for these positions would be competitive with other medical institutions in recruiting new personnel. Competitive salaries have been an important factor in the noticeable reduction in the employee turnover rate. Latest figures released by the Bureau of National Affairs indicate that the annual turnover rate for health care facilities is 24.8%, compared with the Medical University's rate of 21.6%.

In accordance with the State's redesignation of security officers, the title of the Department of Security was changed to the Department of Public Safety. Installation of a criminal justice information and communications system terminal was completed to provide information on persons, vehicles and property through the FBI and NCIC files as well as a direct line of communication to all enforcement agencies in the state.

The Computer Center participated in the development and refinement of several computerized programs utilized by other segments of the University. Progress was made in the student information system and the student examination and evaluation program, in cooperation with the Registrar's Office and the Division of Curriculum Planning and Research, respectively. A medical record system was begun for the Hospital; completion of this system is slated for October, 1976. Also, a computerized data system for the Department of Personnel Services was partially completed during the period.

New regulations initiated by the State of South Carolina resulted in increased activity for the Purchasing Department. State contracts for certain items, such as office and cleaning supplies, have been in effect for several years, but the 1975-76 year saw the expansion of this policy to cover other items like glassware and chemicals. Also, the Stevenson Act passed by the Legislature calls for "nonexempt" items to be forwarded to State Purchasing in Columbia for bidding and awarding of these orders. General Stores was also expanded during the year, as suggested by an

audit report, and other items are to be added to the inventory in fiscal year 1976-77 as required, such items to be incorporated into the General Stores catalog by computer. Purchasing also acquired approximately 15,000 square feet of warehouse space for the expansion of General Stores and for storage space.

The Internal Auditing Department participated in the development and implementation of a more efficient and effective purchasing system for the Physical Plant Division and worked with the independent auditors, Haskins & Sells, in their audit of the Medical University for the year. Internal Auditing was also instrumental in the implementation of the new purchasing procedures called for by the State.

COMPUTER RESOURCES

Planning was completed for establishment of an Office of Computer Resources and Functions and a nationwide recruitment program instituted to fill the post of director. The director, in addition to supervising all activities of the main computer center, will coordinate the development of all plans for computer applications to meet institutional needs. He also will act as liaison to outside agencies in data processing matters. The director will report to both the Vice President for Administration and Finance and the Vice President for Academic Affairs.

In another action, the Computer Resources committee defined areas of responsibility for its members. These areas are Clinical Information Systems, Education, Laboratory, Scientific Data Processing, Resources and Business. The committee also began reviewing the clinical information, scientific data processing, and educational needs of the Medical University, consulting previous studies in any of these areas to expedite this review. On special request a subcommittee was appointed to study needs in the area of computer assisted instruction.

Inquiry has been made as to the possibility of obtaining the MEDEX program developed and stored at Dartmouth University. It is presently being used at the Medical University via telecommunication. Hopefully the program will be available for operation here at a savings.

ALUMNI, PUBLIC RELATIONS AND DEVELOPMENT

The celebrated conductor, Andre Kostelanetz, graciously accepted an invitation to inaugurate a unique series of cultural activities for the Medical University family. The program is being made possible by a gift to the Health Sciences Foundation from a physician who has expressed a desire to encourage the broadening of intellectual interests in students preparing for health careers. Medical University students are to be

Physicians' Placement Service
Graduation and Appreciation Certificates
All University News Publications
Phone Directory
Postpartum Booklet
Library Handbook
Student Directory

